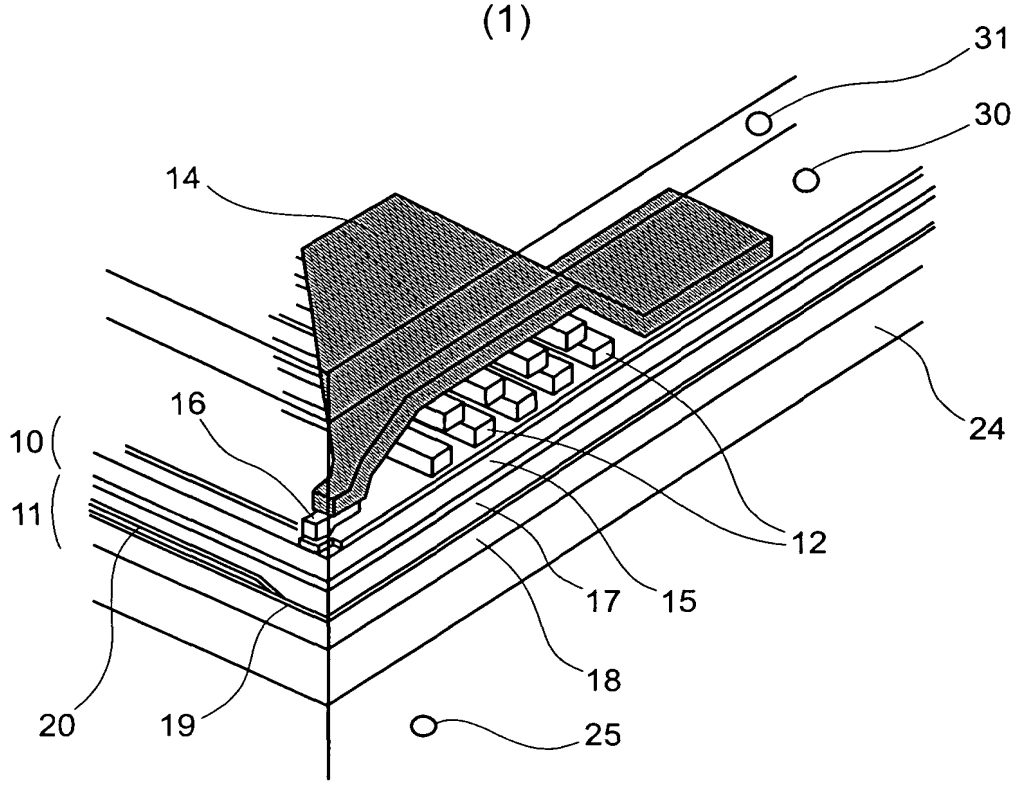
FIG.1

(1)


31
30
14
16
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25

(2)

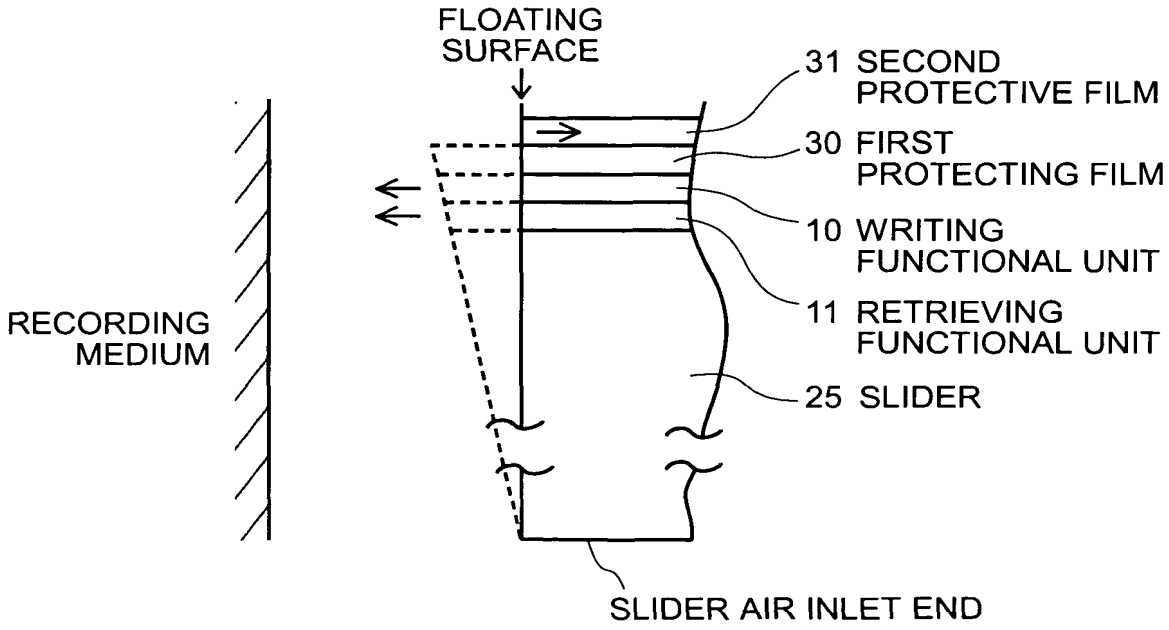

FLOATING SURFACE
31 SECOND PROTECTIVE FILM
30 FIRST PROTECTING FILM
10 WRITING FUNCTIONAL UNIT
11 RETRIEVING FUNCTIONAL UNIT
25 SLIDER
RECORDING MEDIUM
SLIDER AIR INLET END

FIG.2

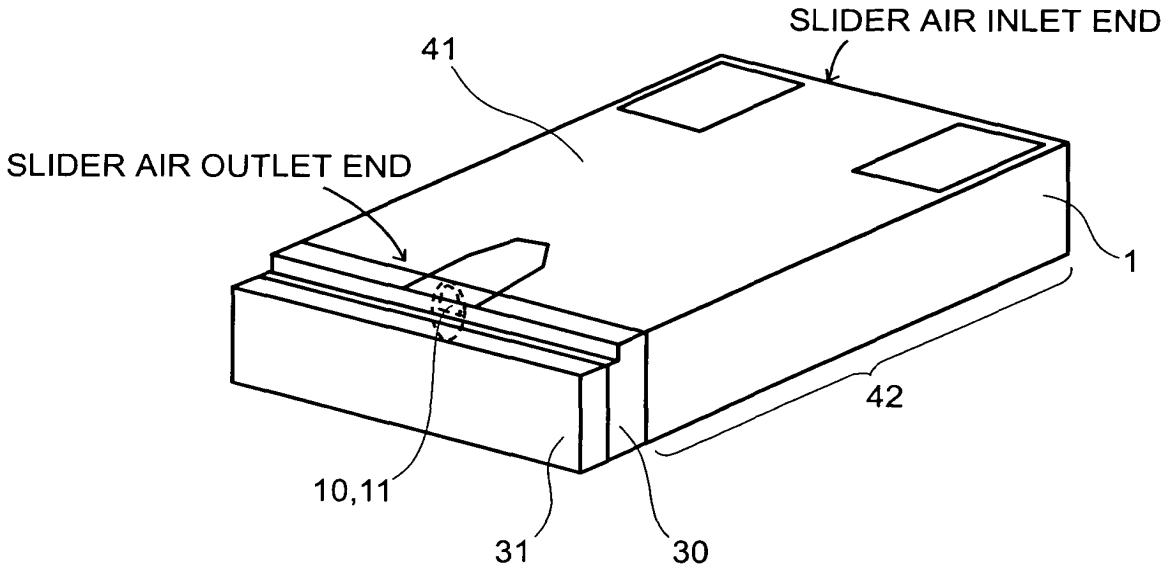


FIG.3

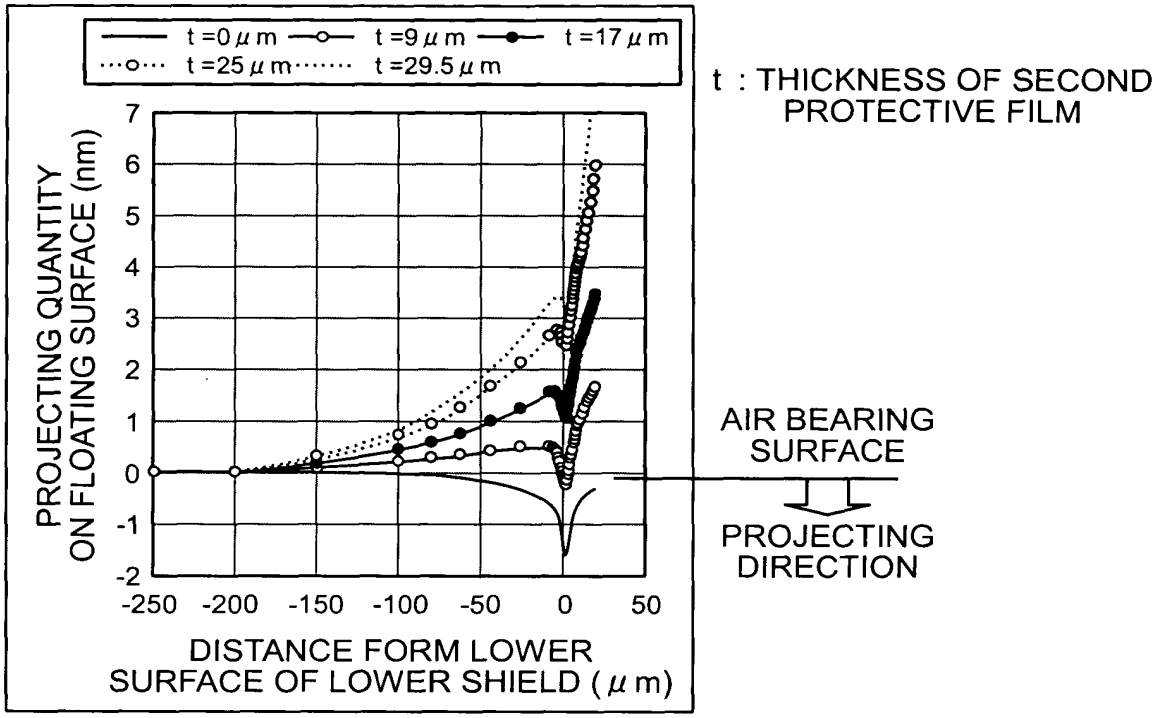
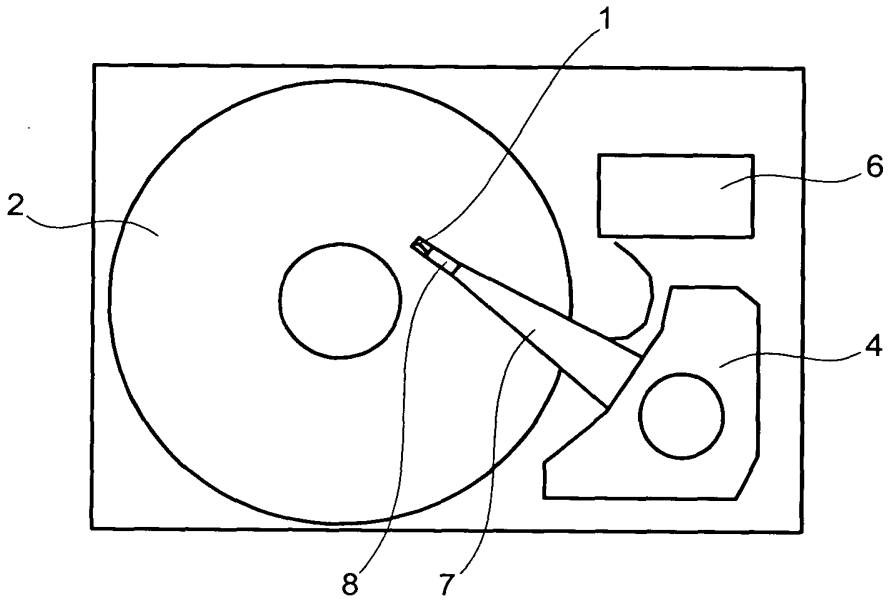


FIG.4

	THERMAL CONDUCTIVITY (μW/μmK)	YOUNG'S MODULUS (GPa)	POISSON RATIO	COEFFICIENT OF LINEAR EXPANSION (1e-6/K)
SUBSTRATE	20	390	0.22	7.1
FIRST PROTECTIVE FILM: ALUMINA	1.3	410	0.25	7.1
MAGNETIC POLE IN RETRIEVING FUNCTIONAL UNIT	35	200	0.3	12.8
MAGNETIC POLE IN WRITING FUNCTIONAL UNIT	35	144	0.3	8.5
INSULATING LAYER: RESIN	0.5	3.7	0.35	30
COIL (Cu)	403	110	0.3	16.2
SECOND PROTECTIVE FILM: AL_2O_3/SiO_2	1	292	0.222	4.81

FIG.5

(1)



(2)

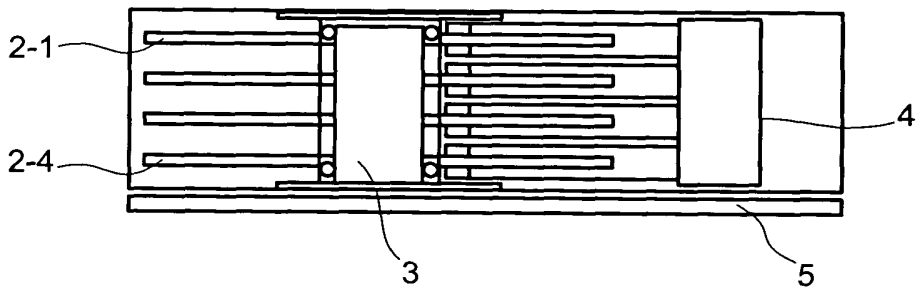


FIG.6